

PROJECT DESCRIPTION
GENERAL

THIS PROJECT INVOLVES THE INSTALLATION OF A CCTV SURVEILLANCE CAMERA MOUNTED ONTO A STEEL SUPPORT POLE. THE FIELD EQUIPMENT CABINET SHALL BE POLE MOUNTED AND SHALL INCLUDE ALL NECESSARY HARDWARE AND ELECTRICAL CONNECTIONS. THE CAMERA VIDEO FEED SHALL UTILIZE A T-1 DIGITAL DATA LINE.

SPECIAL NOTES

1. THE FOLLOWING CONTACT PERSONS FOR THIS PROJECT ARE AS FOLLOWS:

PROJECT CONTACTS:

MR. RANDAL SCOTT, ASSISTANT DISTRICT ENGINEER - TRAFFIC
PHONE: (410) 321-2781
MS. SUE POPE, UTILITY ENGINEER
PHONE: (410) 321-2841
MR. RICHARD L. DAFF, SR. CHIEF TRAFFIC OPERATIONS DIVISION
PHONE: (410) 787-7630
MR. BILL BLOOM, HARFORD COUNTY OPERATIONS CENTER
PHONE: (410) 638-3404

EQUIPMENT LIST

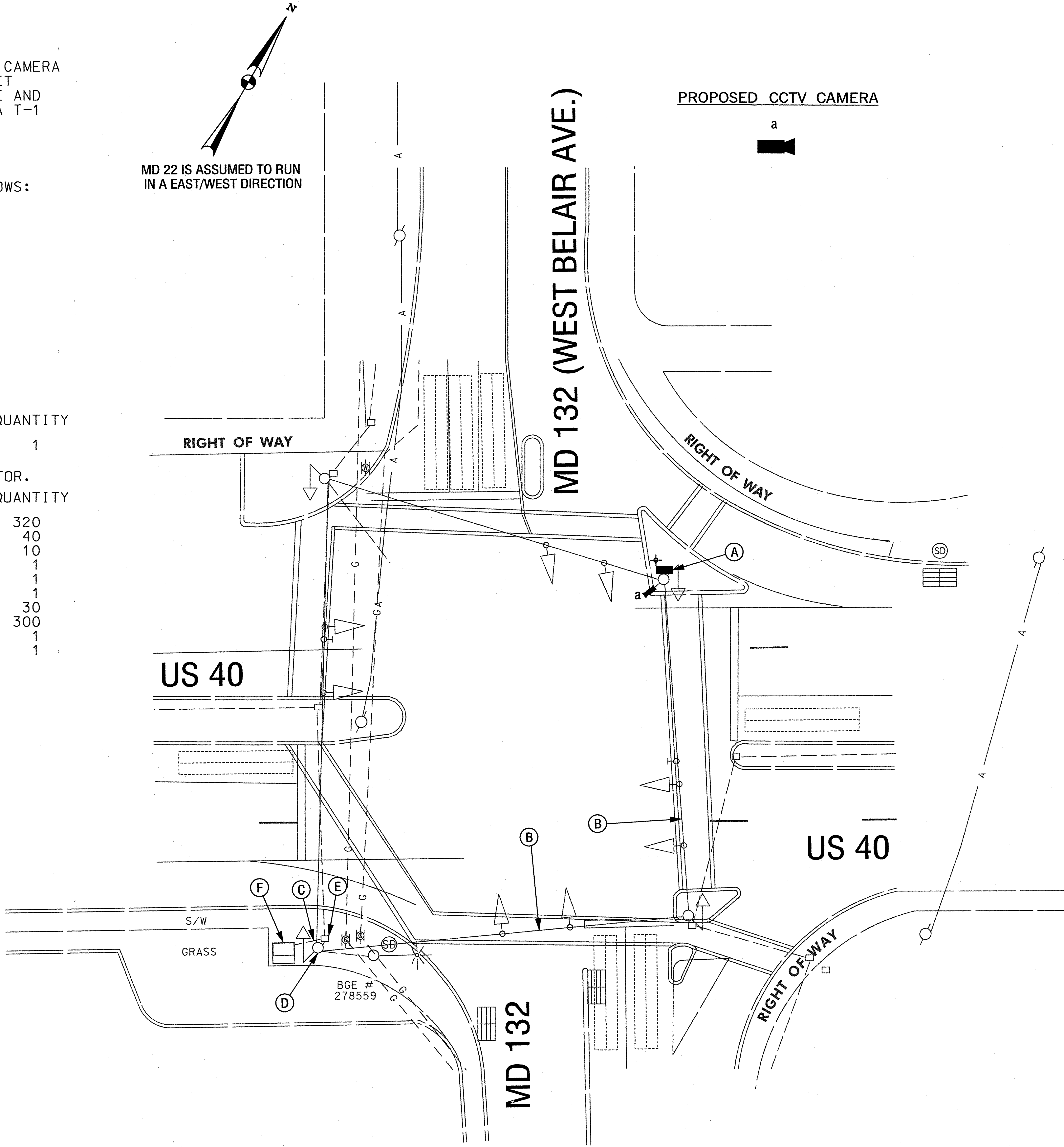
A. EQUIPMENT TO BE SUPPLIED BY THE ADMINISTRATION.

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
9001	VIDEO MUX III AND CODEC UNIT	EA	1

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
8011	5 PAIR NO. 22 AWG SHIELDED COPPER CABLE	LF	320
8012	CAMERA CABLE ASSEMBLY	LF	40
8014	NO. 4 AWG STRANDED BARE COPPER GROUND WIRE	LF	10
8016	CAMERA ASSEMBLY	EA	1
8017	GROUND ROD - 3/4 INCH DIA. X 10 FOOT LENGTH	EA	1
NEG.	STEEL POLE EXTENSION	EA	1
NEG.	1 1/4 INCH FLEXIBLE INNER DUCT	LF	30
NEG.	3 CONDUCTOR NO. 12 AWG ELECTRICAL CABLE	LF	300
NEG.	POLE MOUNTED EQUIPMENT CABINET	EA	1
NEG.	FIELD DRILLED 3 IN. COUPLING W/COND. ELBOW	EA	1

MD 22 IS ASSUMED TO RUN
IN A EAST/WEST DIRECTION



GENERAL NOTES

- ALL PROPOSED CCTV CONTROL EQUIPMENT CABINETS AND ELECTRICAL SERVICE EQUIPMENT FEEDS SHALL BE PROVIDED WITH PROPER GROUNDING SYSTEMS. THIS WORK MAY INCLUDE ADDITIONAL EQUIPMENT AS GROUND RODS, GROUND WIRE, GROUNDING CONDUCTORS AND TERMINATIONS, PER SECTION 804.
- THE CONTRACTOR SHALL NOT INTERRUPT NOR INTERFERE WITH THE EXISTING TRAFFIC CONTROL SIGNAL OPERATION WHILE WORKING AT THIS INTERSECTION, UNLESS PRIOR WRITTEN APPROVAL OR DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF TRAFFIC CONTROL AT ALL TIMES WHILE WORKING AT THE INTERSECTION.
- ALL PROPOSED CCTV CAMERA CONTROL CABLE SHALL BE INSTALLED IN A FLEXIBLE CORRUGATED INNER DUCT RACEWAY. THE INNER DUCT SHALL BE HIGH DENSITY POLYETHYLENE, ORANGE IN COLOR AND SHALL MEET ASTM D3035.
- ALL FIELD WELDING SHALL REQUIRE INSPECTION AND APPROVAL BY THE SHA, OOM. PRIOR TO THE START OF ANY FIELD WORK THE CONTRACTOR SHALL CONTACT MR. WEISNER AT (301) 513-7373 TO COORDINATE A WORK SCHEDULE.

CONSTRUCTION DETAILS

- FURNISH AND INSTALL POLE MOUNTED EQUIPMENT CABINET WITH 3 INCH FIELD DRILLED COUPLING AND CONDUIT LB. FIELD WELD STEEL POLE EXTENSION WITH CLOSED CIRCUIT TELEVISION CAMERA ASSEMBLIES ONTO EXISTING TRAFFIC SIGNAL STRUCTURE WITH ALL NECESSARY MOUNTING HARDWARE, PROVIDE GROUND ROD AND GROUND WIRE TO CABINET.
- USE EXISTING SIGNAL SPAN WIRE AND INSTALL 3 CONDUCTOR NO. 12 AWG ELECTRICAL CABLE FOR POWER AND 5 PAIR NO. 22 SHIELDED COPPER CABLE FOR PHONE, PROVIDE LARGER SPAN WIRE MESSENGER RINGS.
- USE EXISTING SIGNAL CONDUIT AND INSTALL 5 PAIR NO. 22 AWG PHONE CABLE.
- USE EXISTING ELECTRICAL SERVICE DISCONNECT SWITCH, CONNECT 3 CONDUCTOR NO. 12 AWG CABLE TO UN-USED LEG, PROVIDE 15 AMP FUSE FOR POWER TO CAMERA CABINET.
- USE EXISTING ELECTRICAL HANDHOLE.
- TERMINATE 5 PAIR NO. 22 AWG SHIELDED COPPER CABLE INTO EXISTING SIGNAL CABINET, (NOTE: SIGNAL CABINET HAS EXISTING PHONE MODEM).

GEOMETRIC LEGEND

===== EXISTING

UTILITY LEGEND

SD	STORM DRAIN
G	GAS MAIN
W	WATER MAIN
SAN	SEWER MAIN
E	ELECTRIC CABLES
A	AERIAL CABLES
T	TELEPHONE CABLES
FO	FIBER-OPTIC



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION

US 40 AT MD 132

APPROVALS	REVISIONS
TEAM LEADER, TRAFFIC ENGINEERING DIVISION 7/15/05	
ASST. CHIEF TRAFFIC ENGINEERING DIVISION 7/15/05	
CHIEF TRAFFIC ENGINEERING DIVISION 7/15/05	
DIRECTOR, OFFICE OF TRAFFIC & SAFETY	

CCTV CAMERA		
SCALE 1"=20'	DATE 07/15/05	CONTRACT NO. AT6225186
DESIGNED BY S. RENZI	COUNTY HARFORD	
DRAWN BY D. BROWN	LOGMILE	
CHECKED BY J. WEAVER	T.I.M.S. NO.	
F.A.P. NO.	TOD NO.	
DRAWING NO.	OF	SHEET NO. OF



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